



PECFA POST



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PECFA WELCOMES BERNI MATTSSON AS THE NEW ADMINISTRATOR OF THE DIVISION OF ENVIRONMENTAL AND REGULATORY SERVICES

We are pleased to introduce Bernice (Berni) Mattsson, who became the new Administrator of the Division of Environmental and Regulatory Services on March 10, 2003. Ms. Mattsson obtained her BS in Chemical Engineering from the University of Wisconsin Madison.

Ms. Mattsson is no stranger to the Department, having previously served as the Director of the Bureau of Petroleum Products and Tanks. Prior to that, Ms. Mattsson worked as Energy and HVAC Program Manager for the Division of Safety and Buildings where she was also involved in code development from 1984 to 1998.

As stated by Secretary Nettles, "Berni Mattsson has nearly 20 years of management and regulatory-code-development experience in this agency and its predecessors. Her knowledge of regulatory processes and function make her a great choice to lead the Division of Environmental and Regulatory Services."

Please join us in welcoming Berni Mattsson to the Division of Environmental and Regulatory Services! Ms. Mattsson can be reached at 608-266-9403 or bmattsson@commerce.state.wi.us.

CHANGE IN PAYMENT OF INTEREST COSTS RELATED TO COMPLETION OF SITE INVESTIGATION

Wisconsin Statute Sec. 101.143(4)(cc)1 has been changed to reflect how PECFA will reimburse interest costs in the future. If an applicant does not complete the investigation of a petroleum product discharge by the first day of the 61st month after notifying the Department of Commerce (Commerce) or after October 1, 2003, whichever is later, **interest costs incurred after the latter of those days are not eligible for reimbursement.** Exceptions exist for local governments and brownfield sites.



On May 9, 2003, Commerce sent letters to 600 responsible parties, informing them of the change in statute. Included with the letter was an attachment that listed commonly asked questions with responses. This attachment can be found at the Commerce web site at <http://www.commerce.state.wi.us/ER/ER-PECFA-INTPaymentChange.pdf>. Additional questions should be directed to Renee Dickey at 608-264-8765.

In This Issue . . .

[Deadline to Submit Final
PECFA Claim](#)

[GIS Registry Packages
Submitted to Commerce](#)

[Multi-well Completions in a
Single Borehole](#)

DEADLINE TO SUBMIT FINAL PECFA CLAIM

In the past several months, Commerce has received several requests to extend the 120 day deadline for submittal of the final PECFA claim following notification of no further action. The statute pertaining to this deadline is as follows:

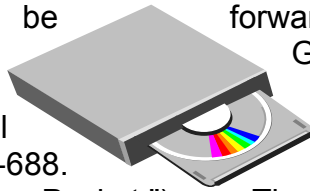
Wisconsin State Statute 101.143(4)(cc)1.a.:

"Except as provided in sub. 1m. or 2., if an applicant's final claim is submitted more than 120 days after receiving written notification that no further action is necessary with respect to the discharge, interest costs incurred by the applicant after the 60th day after receiving that notification are not eligible costs."

Please note that there are no exceptions to this rule and no provisions to waive or extend the deadline. Final PECFA claims must be submitted within 120 days of the written notification of no further action or interest costs incurred after the 60th day will not be eligible.

GIS REGISTRY PACKETS SUBMITTED TO COMMERCE

Since its' inception in 2001, Commerce has provided the WDNR with numerous GIS Packets. To facilitate the process, Commerce is requesting that GIS Registry Packets be submitted electronically, which will be forwarded to the WDNR upon case closure. A CD-ROM with the complete GIS Registry Packet in the correct format will assist in the closure process. Please provide the information for the groundwater and soil GIS in the order outlined in WDNR reference publication RR-688. (Publication RR-688 is the "Checklist of Documents for GIS Registry Packet.") The WDNR has indicated that the quality of registry information is generally better when submitted electronically.



Please remember to do the following prior to submitting a closure request:

1. Make all GIS registry checks payable to "Wisconsin DNR",
2. Send the check to "RR Program Assistant" for the appropriate region,
3. If a check is sent to WDNR for a case under Commerce jurisdiction, attach a copy of the first page of the closure form (or the closure report, as Commerce does not require this form for closure submittals) to the check,
4. Include the site name and the BRRTS identification number in the "memo" line of the check.

Note: If hardcopy GIS packages must be submitted, please submit all documentation on 8.5" x 11" sheets. Larger reproductions of maps, deeds or tables must be reduced prior to submittal.

PECFA Post circulation and a request for Topics of Concern

We are continuing to move toward total electronic distribution of the *PECFA Post*. We need your e-mail address if you are not already receiving the Post electronically. Forward your e-mail address to berdman@commerce.state.wi.us. If you do not have e-mail, you may call, (920) 303-5410, or write [Beth Erdman](#) at ERS Division, Bureau of PECFA, 2129 Jackson Street, Oshkosh WI 54901 and request to be placed on a mailing list.

We are always happy to receive suggestions for future *Post* topics or comments on current articles. Please use the e-mail or mailing addresses listed above to submit your suggestion(s) and / or comments to [Beth Erdman](#).

MULTI-WELL COMPLETIONS IN A SINGLE BOREHOLE (Submitted by Dave Johnson-WDNR)

Wis Admin Code NR 141, pertaining to monitoring well construction, does not directly allow the placement of more than one piezometer or observation well in a borehole. While installations of this type can be allowed with a number of variances it is not encouraged and should only be done in very special cases. There are issues relating to seal integrity, sample integrity and abandonment to be considered and in most cases there is little to no savings after factoring in all aspects of the drilling program.

The integrity of the well seal with multiple wells constructed in a single borehole is a major concern. Washout and slump have known to happen with bentonite grout mixes. If the grout below the upper piezometer fails, then the upper monitoring point is useless and the samples from the lower zone can become questionable. This was the case in a set of piezometers installed by a consultant without approval or variances at a site in southern Wisconsin. A deep piezometer was installed at 135' and a shallow well at 108' in a 6" borehole. The original water level in the upper well was at 101'. By the first quarter sampling it had dropped 2.5 feet while every other well on the site had gone up. The water quality samples in the upper and lower piezometers was nearly identical for over a year. Then the upper well water level came up over 2 feet when every other well showed only modest increases (<0.3'). Along with the increase was a reduction in contaminant levels in the upper well. This was not the case at any of the 3 other piezometer nests. The possibility that the seal failed and then later resealed makes the data interpretation at this well location difficult and suspect. This also may require the installation of replacement monitoring wells.

Experience has also shown that the upper well is often contaminated with grout from the construction of the lower seal. This will happen with all types of sealing materials even tremied grouts. The contamination can not only alter the pH but cause attenuation of contaminants of interest.

The following table shows average drilling costs per foot. Multiple completions in a 6" borehole are not allowed under any circumstances, since there is not enough room in the hole to effectively construct and seal the boring. Note that going from 4 ¼" augers to 8 ¼" basically doubles the cost, the same holds for 6" to deeper 8" or 10" rock drilling. Therefore there is little savings.

| Unconsolidated drilling | | | Rock drilling | |
|-------------------------|---------------|------------------------|---------------|--------------------------|
| | Drill cost/ft | Drill Sample cost/ft & | | Drill Sample cost/ft & |
| 4 ¼ HSA | \$ 10-15 | \$ 14 | 6" | \$ 25-30 |
| 6 ¼ HSA | \$ 12-18 | \$ 15 | 8" | \$ 33-50* ¹ |
| 8 ¼ HSA | \$ 25-29 | * | 10" | \$ 45-60 * ¹² |
| 10 ¼ HSA | \$ 30-48 | * | 12" | \$ 50-65 * ¹² |
| 12 ¼ HSA | \$ 48-60 | * | | |

Prices vary with depth

* Sampling is difficult with larger augers and sample quality will be diminished so may need to drill and sample with 4 ¼ or 6 ¼ first.

*¹ Requires additional compressor capacity at depths >150' (additional cost).

*¹² Requires additional compressor capacity (additional cost). May also require the use of foam.

Abandonment of monitoring wells constructed this way can also present some difficulties and concerns. To properly seal the borehole, a partial drill out may be required to provide adequate protection. This would obviously add cost to the project.

Multiple well construction in a single borehole should only be done in very rare cases where it has been determined that conventional monitoring well construction is not appropriate for the site. Under these special circumstances the DNR or Department of Commerce must first grant project managers the appropriate variances. If you have questions about well construction please contact Dave Johnson at the DNR, 608-261-6421 or dave.johnson@dnr.state.wi.us.

SITE LAYOUT MAPS

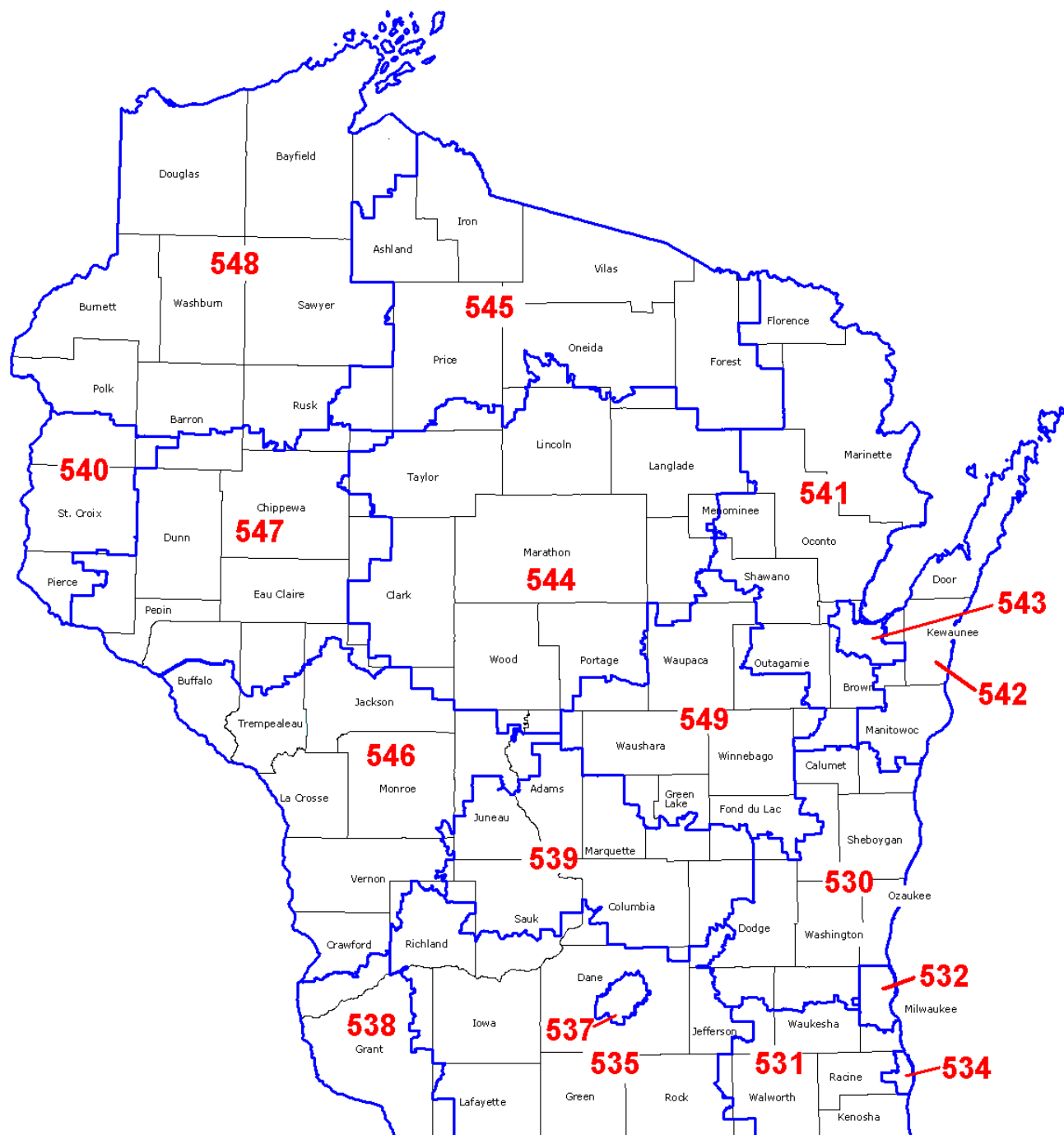
The following is a reminder regarding site layout maps for site investigation reports. Wisconsin Administrative Code (WAC) reads as follows:

WAC chapter NR 716.15(2)(d)6.

"In addition to any other site layout maps, one site layout map which depicts the site's property boundaries, named and unnamed roads or access points, surface water features, underground utilities, buildings, public and private wells, and land uses on adjacent properties and known and potential hazardous substance sources."

Please identify land uses for surrounding properties in detail on site layout maps (i.e. factory, grocery store, day care center, auto repair, farm field, forest, etc.) rather than generalizing them as residential or commercial. Recently, improper identification of neighboring properties resulted in jurisdiction being transferred to the appropriate agency. These transfers cause delay in advancing sites to closure.

PECFA SITE REVIEW ZONE COVERAGE MAP



PECFA SITE REVIEW ZONE CONTACT INFORMATION

| | | | |
|---|--|--|--|
| Bureau Director Oscar Herrera (608) 266-7605 WI Dept Of Commerce FAX 608-267-1381 201 W Washington Ave PO Box 8044 Madison WI 53708-8044 | | Section Chief Site Review Section Lori Huntoon (608) 261-7732 WI Dept Of Commerce FAX 608-267-1381 201 W Washington Ave PO Box 8044 Madison WI 53708-8044 | |
| Hydrogeologist Supervisor VACANT | | Program Assistant(s) Kristi Hammes (608) 267-3753 Cathy Voges (608) 261-7717 WI Dept Of Commerce FAX 608-267-1381 201 W Washington Ave PO Box 8044 Madison WI 53708-8044 | |
| ZIP CODE STARTING WITH: | | CONTACT INFO (click on project manager name to send email): | |
| 530, 531, 532, 534 | | Lee Delcore (414) 220-5403 Stephen Mueller (414) 220-5402 Jennifer Skinner (414) 220-5373 Greg Michael (414) 220-5375 Monica Weis (414) 220-5361 Linda Michalets (414) 220-5376 | WI Dept of Commerce 101 W Pleasant St Suite 100A Milwaukee WI 53212-3963 FAX 414-220-5374 |
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| 542, 543 | | Robert Klauk (920) 424-0046 | |
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